APPENDIX E
LABORATORY REPORT-SOIL
McCAMPBELL ANALYTICAL INC.

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
		Date Received: 12/19/03
	Client Contact: John Lane	Date Reported: 12/30/03
	Client P.O.:	Date Completed: 12/30/03

WorkOrder: 0312393

December 30, 2003

Dear John:

Enclosed are:

1). the results of 14 analyzed samples from your **#365; Pure Etch project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03-12/18/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/23/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE [Encore Sampling]*

Extraction method: SW5035 Analytical methods: SW8021B/8015Cm Work Order: 0312393

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW6-5	S	ND<0.54,n	---	ND<0.0027	ND<0.0027	ND<0.0027	ND<0.0027	1	111
002A	MW6-10	S	ND<0.51,n	---	ND<0.0026	ND<0.0026	ND<0.0026	ND<0.0026	1	103
003A	MW6-15	S	610,g,b,n	---	*ND<0.057*	0.20	0.093	56	20	96.5
004A	MW6-20	S	370,g,b,n	---	ND<0.060	0.070	ND<0.060	22	20	90.0
005A	MW6-25	S	1.6,g,n	---	ND<0.0030	0.0037	ND<0.0030	0.065	1	103
006A	MW6-30	S	1.9,g,b,n	---	ND<0.0031	0.0066	ND<0.0031	0.16	1	--#
007A	MW6-35	S	3.1,g,n	---	ND<0.0028	0.0090	ND<0.0028	0.32	1	95.7
008A	MW6-40	S	13,a,n	---	*0.20*	*0.65*	*0.091*	1.9	1	94.9
009A	MW6-45	S	3.8,a,n	---	0.084	0.017	0.19	0.028	1	122
010A	MW6-50	S	4.0,a,n	---	0.082	0.016	0.16	0.0096	1	--#
011A	MW6-55	S	750,a,n	---	11	69	16	69	100	120
012A	MW6-60	S	23,a,n	---	2.2	4.8	0.63	1.3	5	97.7
013A	MW6-65	S	1.3,a,n	---	0.049	0.25	0.028	*0.10*	1	105
014A	MW6-72	S	ND<0.51,n	---	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	1	95.4
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) *strongly aged gasoline or diesel range compounds are significant*; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-008A
Client ID	MW6-40
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<410	8.0	50	tert-Amyl methyl ether (TAME)	ND<41	8.0	5.0
Benzene	240	8.0	5.0	Bromobenzene	ND<41	8.0	5.0
Bromochloromethane	ND<41	8.0	5.0	Bromodichloromethane	ND<41	8.0	5.0
Bromoform	ND<41	8.0	5.0	Bromomethane	ND<41	8.0	5.0
2-Butanone (MEK)	230	8.0	10	t-Butyl alcohol (TBA)	ND<200	8.0	25
n-Butyl benzene	ND<41	8.0	5.0	sec-Butyl benzene	ND<41	8.0	5.0
tert-Butyl benzene	ND<41	8.0	5.0	Carbon Disulfide	ND<41	8.0	5.0
Carbon Tetrachloride	ND<41	8.0	5.0	Chlorobenzene	ND<41	8.0	5.0
Chloroethane	ND<41	8.0	5.0	2-Chloroethyl Vinyl Ether	ND<82	8.0	10
Chloroform	ND<41	8.0	5.0	Chloromethane	ND<41	8.0	5.0
2-Chlorotoluene	ND<41	8.0	5.0	4-Chlorotoluene	ND<41	8.0	5.0
Dibromochloromethane	ND<41	8.0	5.0	1,2-Dibromo-3-chloropropane	ND<41	8.0	5.0
1,2-Dibromoethane (EDB)	56	8.0	5.0	Dibromomethane	ND<41	8.0	5.0
1,2-Dichlorobenzene	ND<41	8.0	5.0	1,3-Dichlorobenzene	ND<41	8.0	5.0
1,4-Dichlorobenzene	ND<41	8.0	5.0	Dichlorodifluoromethane	ND<41	8.0	5.0
1,1-Dichloroethane	ND<41	8.0	5.0	1,2-Dichloroethane (1,2-DCA)	57	8.0	5.0
1,1-Dichloroethene	ND<41	8.0	5.0	cis-1,2-Dichloroethene	ND<41	8.0	5.0
trans-1,2-Dichloroethene	ND<41	8.0	5.0	1,2-Dichloropropane	ND<41	8.0	5.0
1,3-Dichloropropane	ND<41	8.0	5.0	2,2-Dichloropropane	ND<41	8.0	5.0
1,1-Dichloropropene	ND<41	8.0	5.0	cis-1,3-Dichloropropene	ND<41	8.0	5.0
trans-1,3-Dichloropropene	ND<41	8.0	5.0	Diisopropyl ether (DIPE)	ND<41	8.0	5.0
Ethylbenzene	110	8.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<41	8.0	5.0
Hexachlorobutadiene	ND<41	8.0	5.0	2-Hexanone	ND<41	8.0	5.0
Iodomethane (Methyl iodide)	ND<410	8.0	50	Isopropylbenzene	ND<41	8.0	5.0
4-Isopropyl toluene	ND<41	8.0	5.0	Methyl-t-butyl ether (MTBE)	ND<41	8.0	5.0
Methylene chloride	ND<41	8.0	5.0	4-Methyl-2-pentanone (MIBK)	45	8.0	5.0
Naphthalene	260	8.0	5.0	n-Propyl benzene	ND<41	8.0	5.0
Styrene	ND<41	8.0	5.0	1,1,1,2-Tetrachloroethane	ND<41	8.0	5.0
1,1,2,2-Tetrachloroethane	ND<41	8.0	5.0	Tetrachloroethene	ND<41	8.0	5.0
Toluene	890	8.0	5.0	1,2,3-Trichlorobenzene	ND<41	8.0	5.0
1,2,4-Trichlorobenzene	ND<41	8.0	5.0	1,1,1-Trichloroethane	ND<41	8.0	5.0
1,1,2-Trichloroethane	ND<41	8.0	5.0	Trichloroethene	ND<41	8.0	5.0
Trichlorofluoromethane	ND<41	8.0	5.0	1,2,3-Trichloropropane	ND<41	8.0	5.0
1,2,4-Trimethylbenzene	1100	8.0	5.0	1,3,5-Trimethylbenzene	390	8.0	5.0
Vinyl Acetate	ND<410	8.0	50	Vinyl Chloride	ND<41	8.0	5.0
Xylenes	2500	8.0	5.0				

Surrogate Recoveries (%)

%SS1:	98.8	%SS2:	101
%SS3:	104		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

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Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-001A
Client ID	MW6-5
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<55	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.5	1.0	5.0
Benzene	ND<5.5	1.0	5.0	Bromobenzene	ND<5.5	1.0	5.0
Bromochloromethane	ND<5.5	1.0	5.0	Bromodichloromethane	ND<5.5	1.0	5.0
Bromoform	ND<5.5	1.0	5.0	Bromomethane	ND<5.5	1.0	5.0
2-Butanone (MEK)	ND<11	1.0	10	t-Butyl alcohol (TBA)	ND<27	1.0	25
n-Butyl benzene	ND<5.5	1.0	5.0	sec-Butyl benzene	ND<5.5	1.0	5.0
tert-Butyl benzene	ND<5.5	1.0	5.0	Carbon Disulfide	ND<5.5	1.0	5.0
Carbon Tetrachloride	ND<5.5	1.0	5.0	Chlorobenzene	ND<5.5	1.0	5.0
Chloroethane	ND<5.5	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<11	1.0	10
Chloroform	ND<5.5	1.0	5.0	Chloromethane	ND<5.5	1.0	5.0
2-Chlorotoluene	ND<5.5	1.0	5.0	4-Chlorotoluene	ND<5.5	1.0	5.0
Dibromochloromethane	ND<5.5	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.5	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.5	1.0	5.0	Dibromomethane	ND<5.5	1.0	5.0
1,2-Dichlorobenzene	ND<5.5	1.0	5.0	1,3-Dichlorobenzene	ND<5.5	1.0	5.0
1,4-Dichlorobenzene	ND<5.5	1.0	5.0	Dichlorodifluoromethane	ND<5.5	1.0	5.0
1,1-Dichloroethane	ND<5.5	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.5	1.0	5.0
1,1-Dichloroethene	ND<5.5	1.0	5.0	cis-1,2-Dichloroethene	ND<5.5	1.0	5.0
trans-1,2-Dichloroethene	ND<5.5	1.0	5.0	1,2-Dichloropropane	ND<5.5	1.0	5.0
1,3-Dichloropropane	ND<5.5	1.0	5.0	2,2-Dichloropropane	ND<5.5	1.0	5.0
1,1-Dichloropropene	ND<5.5	1.0	5.0	cis-1,3-Dichloropropene	ND<5.5	1.0	5.0
trans-1,3-Dichloropropene	ND<5.5	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.5	1.0	5.0
Ethylbenzene	ND<5.5	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.5	1.0	5.0
Hexachlorobutadiene	ND<5.5	1.0	5.0	2-Hexanone	ND<5.5	1.0	5.0
Iodomethane (Methyl iodide)	ND<55	1.0	50	Isopropylbenzene	ND<5.5	1.0	5.0
4-Isopropyl toluene	ND<5.5	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.5	1.0	5.0
Methylene chloride	ND<5.5	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.5	1.0	5.0
Naphthalene	ND<5.5	1.0	5.0	n-Propyl benzene	ND<5.5	1.0	5.0
Styrene	ND<5.5	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.5	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.5	1.0	5.0	Tetrachloroethene	ND<5.5	1.0	5.0
Toluene	ND<5.5	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.5	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.5	1.0	5.0	1,1,1-Trichloroethane	ND<5.5	1.0	5.0
1,1,2-Trichloroethane	ND<5.5	1.0	5.0	Trichloroethene	ND<5.5	1.0	5.0
Trichlorofluoromethane	ND<5.5	1.0	5.0	1,2,3-Trichloropropane	ND<5.5	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.5	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.5	1.0	5.0
Vinyl Acetate	ND<55	1.0	50	Vinyl Chloride	ND<5.5	1.0	5.0
Xylenes	ND<5.5	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	99.7	%SS2:	104
%SS3:	109		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

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Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
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Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-002A
Client ID	MW6-10
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<59	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.9	1.0	5.0
Benzene	ND<5.9	1.0	5.0	Bromobenzene	ND<5.9	1.0	5.0
Bromochloromethane	ND<5.9	1.0	5.0	Bromodichloromethane	ND<5.9	1.0	5.0
Bromoform	ND<5.9	1.0	5.0	Bromomethane	ND<5.9	1.0	5.0
2-Butanone (MEK)	ND<12	1.0	10	t-Butyl alcohol (TBA)	ND<30	1.0	25
n-Butyl benzene	ND<5.9	1.0	5.0	sec-Butyl benzene	ND<5.9	1.0	5.0
tert-Butyl benzene	ND<5.9	1.0	5.0	Carbon Disulfide	ND<5.9	1.0	5.0
Carbon Tetrachloride	ND<5.9	1.0	5.0	Chlorobenzene	ND<5.9	1.0	5.0
Chloroethane	ND<5.9	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<12	1.0	10
Chloroform	ND<5.9	1.0	5.0	Chloromethane	ND<5.9	1.0	5.0
2-Chlorotoluene	ND<5.9	1.0	5.0	4-Chlorotoluene	ND<5.9	1.0	5.0
Dibromochloromethane	ND<5.9	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.9	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.9	1.0	5.0	Dibromomethane	ND<5.9	1.0	5.0
1,2-Dichlorobenzene	ND<5.9	1.0	5.0	1,3-Dichlorobenzene	ND<5.9	1.0	5.0
1,4-Dichlorobenzene	ND<5.9	1.0	5.0	Dichlorodifluoromethane	ND<5.9	1.0	5.0
1,1-Dichloroethane	ND<5.9	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.9	1.0	5.0
1,1-Dichloroethene	ND<5.9	1.0	5.0	cis-1,2-Dichloroethene	ND<5.9	1.0	5.0
trans-1,2-Dichloroethene	ND<5.9	1.0	5.0	1,2-Dichloropropane	ND<5.9	1.0	5.0
1,3-Dichloropropane	ND<5.9	1.0	5.0	2,2-Dichloropropane	ND<5.9	1.0	5.0
1,1-Dichloropropene	ND<5.9	1.0	5.0	cis-1,3-Dichloropropene	ND<5.9	1.0	5.0
trans-1,3-Dichloropropene	ND<5.9	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.9	1.0	5.0
Ethylbenzene	ND<5.9	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.9	1.0	5.0
Hexachlorobutadiene	ND<5.9	1.0	5.0	2-Hexanone	ND<5.9	1.0	5.0
Iodomethane (Methyl iodide)	ND<59	1.0	50	Isopropylbenzene	ND<5.9	1.0	5.0
4-Isopropyl toluene	ND<5.9	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.9	1.0	5.0
Methylene chloride	ND<5.9	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.9	1.0	5.0
Naphthalene	ND<5.9	1.0	5.0	n-Propyl benzene	ND<5.9	1.0	5.0
Styrene	ND<5.9	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.9	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.9	1.0	5.0	Tetrachloroethene	ND<5.9	1.0	5.0
Toluene	ND<5.9	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.9	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.9	1.0	5.0	1,1,1-Trichloroethane	ND<5.9	1.0	5.0
1,1,2-Trichloroethane	ND<5.9	1.0	5.0	Trichloroethene	ND<5.9	1.0	5.0
Trichlorofluoromethane	ND<5.9	1.0	5.0	1,2,3-Trichloropropane	ND<5.9	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.9	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.9	1.0	5.0
Vinyl Acetate	ND<59	1.0	50	Vinyl Chloride	ND<5.9	1.0	5.0
Xylenes	ND<5.9	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	98.9	%SS2:	104
%SS3:	109		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

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Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-003A
Client ID	MW6-15
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<25,000	400	50	tert-Amyl methyl ether (TAME)	ND<2500	400	5.0
Benzene	ND<2500	400	5.0	Bromobenzene	ND<2500	400	5.0
Bromochloromethane	ND<2500	400	5.0	Bromodichloromethane	ND<2500	400	5.0
Bromoform	ND<2500	400	5.0	Bromomethane	ND<2500	400	5.0
2-Butanone (MEK)	ND<4900	400	10	t-Butyl alcohol (TBA)	ND<12,000	400	25
n-Butyl benzene	ND<2500	400	5.0	sec-Butyl benzene	ND<2500	400	5.0
tert-Butyl benzene	ND<2500	400	5.0	Carbon Disulfide	ND<2500	400	5.0
Carbon Tetrachloride	ND<2500	400	5.0	Chlorobenzene	ND<2500	400	5.0
Chloroethane	ND<2500	400	5.0	2-Chloroethyl Vinyl Ether	ND<4900	400	10
Chloroform	ND<2500	400	5.0	Chloromethane	ND<2500	400	5.0
2-Chlorotoluene	ND<2500	400	5.0	4-Chlorotoluene	ND<2500	400	5.0
Dibromochloromethane	ND<2500	400	5.0	1,2-Dibromo-3-chloropropane	ND<2500	400	5.0
1,2-Dibromoethane (EDB)	ND<2500	400	5.0	Dibromomethane	ND<2500	400	5.0
1,2-Dichlorobenzene	ND<2500	400	5.0	1,3-Dichlorobenzene	ND<2500	400	5.0
1,4-Dichlorobenzene	ND<2500	400	5.0	Dichlorodifluoromethane	ND<2500	400	5.0
1,1-Dichloroethane	ND<2500	400	5.0	1,2-Dichloroethane (1,2-DCA)	ND<2500	400	5.0
1,1-Dichloroethene	ND<2500	400	5.0	cis-1,2-Dichloroethene	ND<2500	400	5.0
trans-1,2-Dichloroethene	ND<2500	400	5.0	1,2-Dichloropropane	ND<2500	400	5.0
1,3-Dichloropropane	ND<2500	400	5.0	2,2-Dichloropropane	ND<2500	400	5.0
1,1-Dichloropropene	ND<2500	400	5.0	cis-1,3-Dichloropropene	ND<2500	400	5.0
trans-1,3-Dichloropropene	ND<2500	400	5.0	Diisopropyl ether (DIPE)	ND<2500	400	5.0
Ethylbenzene	ND<2500	400	5.0	Ethyl tert-butyl ether (ETBE)	ND<2500	400	5.0
Hexachlorobutadiene	ND<2500	400	5.0	2-Hexanone	ND<2500	400	5.0
Iodomethane (Methyl iodide)	ND<25,000	400	50	Isopropylbenzene	ND<2500	400	5.0
4-Isopropyl toluene	ND<2500	400	5.0	Methyl-t-butyl ether (MTBE)	ND<2500	400	5.0
Methylene chloride	ND<2500	400	5.0	4-Methyl-2-pentanone (MIBK)	ND<2500	400	5.0
Naphthalene	7600	400	5.0	n-Propyl benzene	ND<2500	400	5.0
Styrene	ND<2500	400	5.0	1,1,1,2-Tetrachloroethane	ND<2500	400	5.0
1,1,2,2-Tetrachloroethane	ND<2500	400	5.0	Tetrachloroethene	ND<2500	400	5.0
Toluene	ND<2500	400	5.0	1,2,3-Trichlorobenzene	ND<2500	400	5.0
1,2,4-Trichlorobenzene	ND<2500	400	5.0	1,1,1-Trichloroethane	ND<2500	400	5.0
1,1,2-Trichloroethane	ND<2500	400	5.0	Trichloroethene	ND<2500	400	5.0
Trichlorofluoromethane	ND<2500	400	5.0	1,2,3-Trichloropropane	ND<2500	400	5.0
1,2,4-Trimethylbenzene	94,000	400	5.0	1,3,5-Trimethylbenzene	29,000	400	5.0
Vinyl Acetate	ND<25,000	400	50	Vinyl Chloride	ND<2500	400	5.0
Xylenes	67,000	400	5.0				

Surrogate Recoveries (%)

%SS1:	97.8	%SS2:	102
%SS3:	109		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-004A
Client ID	MW6-20
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<29,000	500	50	tert-Amyl methyl ether (TAME)	ND<2900	500	5.0
Benzene	ND<2900	500	5.0	Bromobenzene	ND<2900	500	5.0
Bromochloromethane	ND<2900	500	5.0	Bromodichloromethane	ND<2900	500	5.0
Bromoform	ND<2900	500	5.0	Bromomethane	ND<2900	500	5.0
2-Butanone (MEK)	ND<5800	500	10	t-Butyl alcohol (TBA)	ND<15,000	500	25
n-Butyl benzene	ND<2900	500	5.0	sec-Butyl benzene	ND<2900	500	5.0
tert-Butyl benzene	ND<2900	500	5.0	Carbon Disulfide	ND<2900	500	5.0
Carbon Tetrachloride	ND<2900	500	5.0	Chlorobenzene	ND<2900	500	5.0
Chloroethane	ND<2900	500	5.0	2-Chloroethyl Vinyl Ether	ND<5800	500	10
Chloroform	ND<2900	500	5.0	Chloromethane	ND<2900	500	5.0
2-Chlorotoluene	ND<2900	500	5.0	4-Chlorotoluene	ND<2900	500	5.0
Dibromochloromethane	ND<2900	500	5.0	1,2-Dibromo-3-chloropropane	ND<2900	500	5.0
1,2-Dibromoethane (EDB)	ND<2900	500	5.0	Dibromomethane	ND<2900	500	5.0
1,2-Dichlorobenzene	ND<2900	500	5.0	1,3-Dichlorobenzene	ND<2900	500	5.0
1,4-Dichlorobenzene	ND<2900	500	5.0	Dichlorodifluoromethane	ND<2900	500	5.0
1,1-Dichloroethane	ND<2900	500	5.0	1,2-Dichloroethane (1,2-DCA)	ND<2900	500	5.0
1,1-Dichloroethene	ND<2900	500	5.0	cis-1,2-Dichloroethene	ND<2900	500	5.0
trans-1,2-Dichloroethene	ND<2900	500	5.0	1,2-Dichloropropane	ND<2900	500	5.0
1,3-Dichloropropane	ND<2900	500	5.0	2,2-Dichloropropane	ND<2900	500	5.0
1,1-Dichloropropene	ND<2900	500	5.0	cis-1,3-Dichloropropene	ND<2900	500	5.0
trans-1,3-Dichloropropene	ND<2900	500	5.0	Diisopropyl ether (DIPE)	ND<2900	500	5.0
Ethylbenzene	ND<2900	500	5.0	Ethyl tert-butyl ether (ETBE)	ND<2900	500	5.0
Hexachlorobutadiene	ND<2900	500	5.0	2-Hexanone	ND<2900	500	5.0
Iodomethane (Methyl iodide)	ND<29,000	500	50	Isopropylbenzene	ND<2900	500	5.0
4-Isopropyl toluene	ND<2900	500	5.0	Methyl-t-butyl ether (MTBE)	ND<2900	500	5.0
Methylene chloride	ND<2900	500	5.0	4-Methyl-2-pentanone (MIBK)	ND<2900	500	5.0
Naphthalene	18,000	500	5.0	n-Propyl benzene	ND<2900	500	5.0
Styrene	ND<2900	500	5.0	1,1,1,2-Tetrachloroethane	ND<2900	500	5.0
1,1,2,2-Tetrachloroethane	ND<2900	500	5.0	Tetrachloroethene	ND<2900	500	5.0
Toluene	ND<2900	500	5.0	1,2,3-Trichlorobenzene	ND<2900	500	5.0
1,2,4-Trichlorobenzene	ND<2900	500	5.0	1,1,1-Trichloroethane	ND<2900	500	5.0
1,1,2-Trichloroethane	ND<2900	500	5.0	Trichloroethene	ND<2900	500	5.0
Trichlorofluoromethane	ND<2900	500	5.0	1,2,3-Trichloropropane	ND<2900	500	5.0
1,2,4-Trimethylbenzene	95,000	500	5.0	1,3,5-Trimethylbenzene	29,000	500	5.0
Vinyl Acetate	ND<29,000	500	50	Vinyl Chloride	ND<2900	500	5.0
Xylenes	51,000	500	5.0				

Surrogate Recoveries (%)

%SS1:	91.9	%SS2:	101
%SS3:	109		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

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Angela Rydelius, Lab Manager

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110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-005A
Client ID	MW6-25
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<59	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.9	1.0	5.0
Benzene	ND<5.9	1.0	5.0	Bromobenzene	ND<5.9	1.0	5.0
Bromochloromethane	ND<5.9	1.0	5.0	Bromodichloromethane	ND<5.9	1.0	5.0
Bromoform	ND<5.9	1.0	5.0	Bromomethane	ND<5.9	1.0	5.0
2-Butanone (MEK)	ND<12	1.0	10	t-Butyl alcohol (TBA)	ND<29	1.0	25
n-Butyl benzene	ND<5.9	1.0	5.0	sec-Butyl benzene	ND<5.9	1.0	5.0
tert-Butyl benzene	ND<5.9	1.0	5.0	Carbon Disulfide	ND<5.9	1.0	5.0
Carbon Tetrachloride	ND<5.9	1.0	5.0	Chlorobenzene	ND<5.9	1.0	5.0
Chloroethane	ND<5.9	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<12	1.0	10
Chloroform	ND<5.9	1.0	5.0	Chloromethane	ND<5.9	1.0	5.0
2-Chlorotoluene	ND<5.9	1.0	5.0	4-Chlorotoluene	ND<5.9	1.0	5.0
Dibromochloromethane	ND<5.9	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.9	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.9	1.0	5.0	Dibromomethane	ND<5.9	1.0	5.0
1,2-Dichlorobenzene	ND<5.9	1.0	5.0	1,3-Dichlorobenzene	ND<5.9	1.0	5.0
1,4-Dichlorobenzene	ND<5.9	1.0	5.0	Dichlorodifluoromethane	ND<5.9	1.0	5.0
1,1-Dichloroethane	ND<5.9	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.9	1.0	5.0
1,1-Dichloroethene	ND<5.9	1.0	5.0	cis-1,2-Dichloroethene	ND<5.9	1.0	5.0
trans-1,2-Dichloroethene	ND<5.9	1.0	5.0	1,2-Dichloropropane	ND<5.9	1.0	5.0
1,3-Dichloropropane	ND<5.9	1.0	5.0	2,2-Dichloropropane	ND<5.9	1.0	5.0
1,1-Dichloropropene	ND<5.9	1.0	5.0	cis-1,3-Dichloropropene	ND<5.9	1.0	5.0
trans-1,3-Dichloropropene	ND<5.9	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.9	1.0	5.0
Ethylbenzene	ND<5.9	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.9	1.0	5.0
Hexachlorobutadiene	ND<5.9	1.0	5.0	2-Hexanone	ND<5.9	1.0	5.0
Iodomethane (Methyl iodide)	ND<59	1.0	50	Isopropylbenzene	ND<5.9	1.0	5.0
4-Isopropyl toluene	ND<5.9	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.9	1.0	5.0
Methylene chloride	ND<5.9	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.9	1.0	5.0
Naphthalene	110	1.0	5.0	n-Propyl benzene	ND<5.9	1.0	5.0
Styrene	ND<5.9	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.9	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.9	1.0	5.0	Tetrachloroethene	ND<5.9	1.0	5.0
Toluene	ND<5.9	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.9	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.9	1.0	5.0	1,1,1-Trichloroethane	ND<5.9	1.0	5.0
1,1,2-Trichloroethane	ND<5.9	1.0	5.0	Trichloroethene	ND<5.9	1.0	5.0
Trichlorofluoromethane	ND<5.9	1.0	5.0	1,2,3-Trichloropropane	ND<5.9	1.0	5.0
1,2,4-Trimethylbenzene	120	1.0	5.0	1,3,5-Trimethylbenzene	61	1.0	5.0
Vinyl Acetate	ND<59	1.0	50	Vinyl Chloride	ND<5.9	1.0	5.0
Xylenes	64	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	97.8	%SS2:	105
%SS3:	108		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

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Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-006A
Client ID	MW6-30
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<120	2.0	50	tert-Amyl methyl ether (TAME)	ND<12	2.0	5.0
Benzene	ND<12	2.0	5.0	Bromobenzene	ND<12	2.0	5.0
Bromochloromethane	ND<12	2.0	5.0	Bromodichloromethane	ND<12	2.0	5.0
Bromoform	ND<12	2.0	5.0	Bromomethane	ND<12	2.0	5.0
2-Butanone (MEK)	ND<24	2.0	10	t-Butyl alcohol (TBA)	ND<59	2.0	25
n-Butyl benzene	ND<12	2.0	5.0	sec-Butyl benzene	ND<12	2.0	5.0
tert-Butyl benzene	ND<12	2.0	5.0	Carbon Disulfide	ND<12	2.0	5.0
Carbon Tetrachloride	ND<12	2.0	5.0	Chlorobenzene	ND<12	2.0	5.0
Chloroethane	ND<12	2.0	5.0	2-Chloroethyl Vinyl Ether	ND<24	2.0	10
Chloroform	ND<12	2.0	5.0	Chloromethane	ND<12	2.0	5.0
2-Chlorotoluene	ND<12	2.0	5.0	4-Chlorotoluene	ND<12	2.0	5.0
Dibromochloromethane	ND<12	2.0	5.0	1,2-Dibromo-3-chloropropane	ND<12	2.0	5.0
1,2-Dibromoethane (EDB)	ND<12	2.0	5.0	Dibromomethane	ND<12	2.0	5.0
1,2-Dichlorobenzene	ND<12	2.0	5.0	1,3-Dichlorobenzene	ND<12	2.0	5.0
1,4-Dichlorobenzene	ND<12	2.0	5.0	Dichlorodifluoromethane	ND<12	2.0	5.0
1,1-Dichloroethane	ND<12	2.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<12	2.0	5.0
1,1-Dichloroethene	ND<12	2.0	5.0	cis-1,2-Dichloroethene	ND<12	2.0	5.0
trans-1,2-Dichloroethene	ND<12	2.0	5.0	1,2-Dichloropropane	ND<12	2.0	5.0
1,3-Dichloropropane	ND<12	2.0	5.0	2,2-Dichloropropane	ND<12	2.0	5.0
1,1-Dichloropropene	ND<12	2.0	5.0	cis-1,3-Dichloropropene	ND<12	2.0	5.0
trans-1,3-Dichloropropene	ND<12	2.0	5.0	Diisopropyl ether (DIPE)	ND<12	2.0	5.0
Ethylbenzene	ND<12	2.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<12	2.0	5.0
Hexachlorobutadiene	ND<12	2.0	5.0	2-Hexanone	ND<12	2.0	5.0
Iodomethane (Methyl iodide)	ND<120	2.0	50	Isopropylbenzene	ND<12	2.0	5.0
4-Isopropyl toluene	ND<12	2.0	5.0	Methyl-t-butyl ether (MTBE)	ND<12	2.0	5.0
Methylene chloride	ND<12	2.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<12	2.0	5.0
Naphthalene	72	2.0	5.0	n-Propyl benzene	ND<12	2.0	5.0
Styrene	ND<12	2.0	5.0	1,1,1,2-Tetrachloroethane	ND<12	2.0	5.0
1,1,2,2-Tetrachloroethane	ND<12	2.0	5.0	Tetrachloroethene	ND<12	2.0	5.0
Toluene	ND<12	2.0	5.0	1,2,3-Trichlorobenzene	ND<12	2.0	5.0
1,2,4-Trichlorobenzene	ND<12	2.0	5.0	1,1,1-Trichloroethane	ND<12	2.0	5.0
1,1,2-Trichloroethane	ND<12	2.0	5.0	Trichloroethene	ND<12	2.0	5.0
Trichlorofluoromethane	ND<12	2.0	5.0	1,2,3-Trichloropropane	ND<12	2.0	5.0
1,2,4-Trimethylbenzene	290	2.0	5.0	1,3,5-Trimethylbenzene	170	2.0	5.0
Vinyl Acetate	ND<120	2.0	50	Vinyl Chloride	ND<12	2.0	5.0
Xylenes	360	2.0	5.0				

Surrogate Recoveries (%)

%SS1:	97.8	%SS2:	103
%SS3:	107		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

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http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-007A
Client ID	MW6-35
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<57	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.7	1.0	5.0
Benzene	ND<5.7	1.0	5.0	Bromobenzene	ND<5.7	1.0	5.0
Bromochloromethane	ND<5.7	1.0	5.0	Bromodichloromethane	ND<5.7	1.0	5.0
Bromoform	ND<5.7	1.0	5.0	Bromomethane	ND<5.7	1.0	5.0
2-Butanone (MEK)	ND<11	1.0	10	t-Butyl alcohol (TBA)	41	1.0	25
n-Butyl benzene	ND<5.7	1.0	5.0	sec-Butyl benzene	ND<5.7	1.0	5.0
tert-Butyl benzene	ND<5.7	1.0	5.0	Carbon Disulfide	ND<5.7	1.0	5.0
Carbon Tetrachloride	ND<5.7	1.0	5.0	Chlorobenzene	ND<5.7	1.0	5.0
Chloroethane	ND<5.7	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<11	1.0	10
Chloroform	ND<5.7	1.0	5.0	Chloromethane	ND<5.7	1.0	5.0
2-Chlorotoluene	ND<5.7	1.0	5.0	4-Chlorotoluene	ND<5.7	1.0	5.0
Dibromochloromethane	ND<5.7	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.7	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.7	1.0	5.0	Dibromomethane	ND<5.7	1.0	5.0
1,2-Dichlorobenzene	ND<5.7	1.0	5.0	1,3-Dichlorobenzene	ND<5.7	1.0	5.0
1,4-Dichlorobenzene	ND<5.7	1.0	5.0	Dichlorodifluoromethane	ND<5.7	1.0	5.0
1,1-Dichloroethane	ND<5.7	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.7	1.0	5.0
1,1-Dichloroethene	ND<5.7	1.0	5.0	cis-1,2-Dichloroethene	ND<5.7	1.0	5.0
trans-1,2-Dichloroethene	ND<5.7	1.0	5.0	1,2-Dichloropropane	ND<5.7	1.0	5.0
1,3-Dichloropropane	ND<5.7	1.0	5.0	2,2-Dichloropropane	ND<5.7	1.0	5.0
1,1-Dichloropropene	ND<5.7	1.0	5.0	cis-1,3-Dichloropropene	ND<5.7	1.0	5.0
trans-1,3-Dichloropropene	ND<5.7	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.7	1.0	5.0
Ethylbenzene	ND<5.7	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.7	1.0	5.0
Hexachlorobutadiene	ND<5.7	1.0	5.0	2-Hexanone	ND<5.7	1.0	5.0
Iodomethane (Methyl iodide)	ND<57	1.0	50	Isopropylbenzene	ND<5.7	1.0	5.0
4-Isopropyl toluene	ND<5.7	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.7	1.0	5.0
Methylene chloride	ND<5.7	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.7	1.0	5.0
Naphthalene	10	1.0	5.0	n-Propyl benzene	ND<5.7	1.0	5.0
Styrene	ND<5.7	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.7	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.7	1.0	5.0	Tetrachloroethene	ND<5.7	1.0	5.0
Toluene	ND<5.7	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.7	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.7	1.0	5.0	1,1,1-Trichloroethane	ND<5.7	1.0	5.0
1,1,2-Trichloroethane	ND<5.7	1.0	5.0	Trichloroethene	ND<5.7	1.0	5.0
Trichlorofluoromethane	ND<5.7	1.0	5.0	1,2,3-Trichloropropane	ND<5.7	1.0	5.0
1,2,4-Trimethylbenzene	190	1.0	5.0	1,3,5-Trimethylbenzene	86	1.0	5.0
Vinyl Acetate	ND<57	1.0	50	Vinyl Chloride	ND<5.7	1.0	5.0
Xylenes	270	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	96.4	%SS2:	106
%SS3:	109		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-009A
Client ID	MW6-45
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	84	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	16	1.0	5.0	sec-Butyl benzene	6.5	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	220	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	200	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	50	Isopropylbenzene	33	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	5.6	1.0	5.0	n-Propyl benzene	67	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	31	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	30	1.0	5.0	1,3,5-Trimethylbenzene	13	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	85	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	97.3	%SS2:	105
%SS3:	107		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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DHS Certification No. 1644

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http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-010A
Client ID	MW6-50
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	130	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	36	1.0	5.0	sec-Butyl benzene	11	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	120	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	210	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	50	Isopropylbenzene	40	1.0	5.0
4-Isopropyl toluene	5.8	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	20	1.0	5.0	n-Propyl benzene	94	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	6.1	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	14	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	9.6	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	97.5	%SS2:	105
%SS3:	108		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

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McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-011A
Client ID	MW6-55
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<50,000	1000	50	tert-Amyl methyl ether (TAME)	ND<5000	1000	5.0
Benzene	13,000	1000	5.0	Bromobenzene	ND<5000	1000	5.0
Bromochloromethane	ND<5000	1000	5.0	Bromodichloromethane	ND<5000	1000	5.0
Bromoform	ND<5000	1000	5.0	Bromomethane	ND<5000	1000	5.0
2-Butanone (MEK)	ND<10,000	1000	10	t-Butyl alcohol (TBA)	ND<25,000	1000	25
n-Butyl benzene	ND<5000	1000	5.0	sec-Butyl benzene	ND<5000	1000	5.0
tert-Butyl benzene	ND<5000	1000	5.0	Carbon Disulfide	ND<5000	1000	5.0
Carbon Tetrachloride	ND<5000	1000	5.0	Chlorobenzene	ND<5000	1000	5.0
Chloroethane	ND<5000	1000	5.0	2-Chloroethyl Vinyl Ether	ND<10,000	1000	10
Chloroform	ND<5000	1000	5.0	Chloromethane	ND<5000	1000	5.0
2-Chlorotoluene	ND<5000	1000	5.0	4-Chlorotoluene	ND<5000	1000	5.0
Dibromochloromethane	ND<5000	1000	5.0	1,2-Dibromo-3-chloropropane	ND<5000	1000	5.0
1,2-Dibromoethane (EDB)	ND<5000	1000	5.0	Dibromomethane	ND<5000	1000	5.0
1,2-Dichlorobenzene	ND<5000	1000	5.0	1,3-Dichlorobenzene	ND<5000	1000	5.0
1,4-Dichlorobenzene	ND<5000	1000	5.0	Dichlorodifluoromethane	ND<5000	1000	5.0
1,1-Dichloroethane	ND<5000	1000	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5000	1000	5.0
1,1-Dichloroethene	ND<5000	1000	5.0	cis-1,2-Dichloroethene	ND<5000	1000	5.0
trans-1,2-Dichloroethene	ND<5000	1000	5.0	1,2-Dichloropropane	ND<5000	1000	5.0
1,3-Dichloropropane	ND<5000	1000	5.0	2,2-Dichloropropane	ND<5000	1000	5.0
1,1-Dichloropropene	ND<5000	1000	5.0	cis-1,3-Dichloropropene	ND<5000	1000	5.0
trans-1,3-Dichloropropene	ND<5000	1000	5.0	Diisopropyl ether (DIPE)	ND<5000	1000	5.0
Ethylbenzene	20,000	1000	5.0	Ethyl tert-butyl ether (ETBE)	ND<5000	1000	5.0
Hexachlorobutadiene	ND<5000	1000	5.0	2-Hexanone	ND<5000	1000	5.0
Iodomethane (Methyl iodide)	ND<50,000	1000	50	Isopropylbenzene	ND<5000	1000	5.0
4-Isopropyl toluene	ND<5000	1000	5.0	Methyl-t-butyl ether (MTBE)	ND<5000	1000	5.0
Methylene chloride	ND<5000	1000	5.0	4-Methyl-2-pentanone (MIBK)	ND<5000	1000	5.0
Naphthalene	7400	1000	5.0	n-Propyl benzene	6300	1000	5.0
Styrene	ND<5000	1000	5.0	1,1,1,2-Tetrachloroethane	ND<5000	1000	5.0
1,1,2,2-Tetrachloroethane	ND<5000	1000	5.0	Tetrachloroethene	ND<5000	1000	5.0
Toluene	110,000	1000	5.0	1,2,3-Trichlorobenzene	ND<5000	1000	5.0
1,2,4-Trichlorobenzene	ND<5000	1000	5.0	1,1,1-Trichloroethane	ND<5000	1000	5.0
1,1,2-Trichloroethane	ND<5000	1000	5.0	Trichloroethene	ND<5000	1000	5.0
Trichlorofluoromethane	ND<5000	1000	5.0	1,2,3-Trichloropropane	ND<5000	1000	5.0
1,2,4-Trimethylbenzene	47,000	1000	5.0	1,3,5-Trimethylbenzene	14,000	1000	5.0
Vinyl Acetate	ND<50,000	1000	50	Vinyl Chloride	ND<5000	1000	5.0
Xylenes	83,000	1000	5.0				

Surrogate Recoveries (%)

%SS1:	95.0	%SS2:	100
%SS3:	109		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

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http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-012A
Client ID	MW6-60
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<2000	40	50	tert-Amyl methyl ether (TAME)	ND<200	40	5.0
Benzene	3200	40	5.0	Bromobenzene	ND<200	40	5.0
Bromochloromethane	ND<200	40	5.0	Bromodichloromethane	ND<200	40	5.0
Bromoform	ND<200	40	5.0	Bromomethane	ND<200	40	5.0
2-Butanone (MEK)	ND<390	40	10	t-Butyl alcohol (TBA)	ND<980	40	25
n-Butyl benzene	ND<200	40	5.0	sec-Butyl benzene	ND<200	40	5.0
tert-Butyl benzene	ND<200	40	5.0	Carbon Disulfide	ND<200	40	5.0
Carbon Tetrachloride	ND<200	40	5.0	Chlorobenzene	ND<200	40	5.0
Chloroethane	ND<200	40	5.0	2-Chloroethyl Vinyl Ether	ND<390	40	10
Chloroform	ND<200	40	5.0	Chloromethane	ND<200	40	5.0
2-Chlorotoluene	ND<200	40	5.0	4-Chlorotoluene	ND<200	40	5.0
Dibromochloromethane	ND<200	40	5.0	1,2-Dibromo-3-chloropropane	ND<200	40	5.0
1,2-Dibromoethane (EDB)	ND<200	40	5.0	Dibromomethane	ND<200	40	5.0
1,2-Dichlorobenzene	ND<200	40	5.0	1,3-Dichlorobenzene	ND<200	40	5.0
1,4-Dichlorobenzene	ND<200	40	5.0	Dichlorodifluoromethane	ND<200	40	5.0
1,1-Dichloroethane	ND<200	40	5.0	1,2-Dichloroethane (1,2-DCA)	ND<200	40	5.0
1,1-Dichloroethene	ND<200	40	5.0	cis-1,2-Dichloroethene	ND<200	40	5.0
trans-1,2-Dichloroethene	ND<200	40	5.0	1,2-Dichloropropane	ND<200	40	5.0
1,3-Dichloropropane	ND<200	40	5.0	2,2-Dichloropropane	ND<200	40	5.0
1,1-Dichloropropene	ND<200	40	5.0	cis-1,3-Dichloropropene	ND<200	40	5.0
trans-1,3-Dichloropropene	ND<200	40	5.0	Diisopropyl ether (DIPE)	ND<200	40	5.0
Ethylbenzene	910	40	5.0	Ethyl tert-butyl ether (ETBE)	ND<200	40	5.0
Hexachlorobutadiene	ND<200	40	5.0	2-Hexanone	ND<200	40	5.0
Iodomethane (Methyl iodide)	ND<2000	40	50	Isopropylbenzene	ND<200	40	5.0
4-Isopropyl toluene	ND<200	40	5.0	Methyl-t-butyl ether (MTBE)	ND<200	40	5.0
Methylene chloride	ND<200	40	5.0	4-Methyl-2-pentanone (MIBK)	ND<200	40	5.0
Naphthalene	290	40	5.0	n-Propyl benzene	ND<200	40	5.0
Styrene	ND<200	40	5.0	1,1,1,2-Tetrachloroethane	ND<200	40	5.0
1,1,2,2-Tetrachloroethane	ND<200	40	5.0	Tetrachloroethene	ND<200	40	5.0
Toluene	8000	40	5.0	1,2,3-Trichlorobenzene	ND<200	40	5.0
1,2,4-Trichlorobenzene	ND<200	40	5.0	1,1,1-Trichloroethane	ND<200	40	5.0
1,1,2-Trichloroethane	ND<200	40	5.0	Trichloroethene	ND<200	40	5.0
Trichlorofluoromethane	ND<200	40	5.0	1,2,3-Trichloropropane	ND<200	40	5.0
1,2,4-Trimethylbenzene	830	40	5.0	1,3,5-Trimethylbenzene	220	40	5.0
Vinyl Acetate	ND<2000	40	50	Vinyl Chloride	ND<200	40	5.0
Xylenes	1600	40	5.0				

Surrogate Recoveries (%)

%SS1:	96.6	%SS2:	104
%SS3:	109		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-013A
Client ID	MW6-65
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	2.0	50	tert-Amyl methyl ether (TAME)	ND<10	2.0	5.0
Benzene	64	2.0	5.0	Bromobenzene	ND<10	2.0	5.0
Bromochloromethane	ND<10	2.0	5.0	Bromodichloromethane	ND<10	2.0	5.0
Bromoform	ND<10	2.0	5.0	Bromomethane	ND<10	2.0	5.0
2-Butanone (MEK)	ND<21	2.0	10	t-Butyl alcohol (TBA)	ND<51	2.0	25
n-Butyl benzene	ND<10	2.0	5.0	sec-Butyl benzene	ND<10	2.0	5.0
tert-Butyl benzene	ND<10	2.0	5.0	Carbon Disulfide	ND<10	2.0	5.0
Carbon Tetrachloride	ND<10	2.0	5.0	Chlorobenzene	ND<10	2.0	5.0
Chloroethane	ND<10	2.0	5.0	2-Chloroethyl Vinyl Ether	ND<21	2.0	10
Chloroform	ND<10	2.0	5.0	Chloromethane	ND<10	2.0	5.0
2-Chlorotoluene	ND<10	2.0	5.0	4-Chlorotoluene	ND<10	2.0	5.0
Dibromochloromethane	ND<10	2.0	5.0	1,2-Dibromo-3-chloropropane	ND<10	2.0	5.0
1,2-Dibromoethane (EDB)	ND<10	2.0	5.0	Dibromomethane	ND<10	2.0	5.0
1,2-Dichlorobenzene	ND<10	2.0	5.0	1,3-Dichlorobenzene	ND<10	2.0	5.0
1,4-Dichlorobenzene	ND<10	2.0	5.0	Dichlorodifluoromethane	ND<10	2.0	5.0
1,1-Dichloroethane	ND<10	2.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<10	2.0	5.0
1,1-Dichloroethene	ND<10	2.0	5.0	cis-1,2-Dichloroethene	ND<10	2.0	5.0
trans-1,2-Dichloroethene	ND<10	2.0	5.0	1,2-Dichloropropane	ND<10	2.0	5.0
1,3-Dichloropropane	ND<10	2.0	5.0	2,2-Dichloropropane	ND<10	2.0	5.0
1,1-Dichloropropene	ND<10	2.0	5.0	cis-1,3-Dichloropropene	ND<10	2.0	5.0
trans-1,3-Dichloropropene	ND<10	2.0	5.0	Diisopropyl ether (DIPE)	ND<10	2.0	5.0
Ethylbenzene	43	2.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<10	2.0	5.0
Hexachlorobutadiene	ND<10	2.0	5.0	2-Hexanone	ND<10	2.0	5.0
Iodomethane (Methyl iodide)	ND<100	2.0	50	Isopropylbenzene	ND<10	2.0	5.0
4-Isopropyl toluene	ND<10	2.0	5.0	Methyl-t-butyl ether (MTBE)	ND<10	2.0	5.0
Methylene chloride	ND<10	2.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<10	2.0	5.0
Naphthalene	ND<10	2.0	5.0	n-Propyl benzene	ND<10	2.0	5.0
Styrene	ND<10	2.0	5.0	1,1,1,2-Tetrachloroethane	ND<10	2.0	5.0
1,1,2,2-Tetrachloroethane	ND<10	2.0	5.0	Tetrachloroethene	ND<10	2.0	5.0
Toluene	400	2.0	5.0	1,2,3-Trichlorobenzene	ND<10	2.0	5.0
1,2,4-Trichlorobenzene	ND<10	2.0	5.0	1,1,1-Trichloroethane	ND<10	2.0	5.0
1,1,2-Trichloroethane	ND<10	2.0	5.0	Trichloroethene	ND<10	2.0	5.0
Trichlorofluoromethane	ND<10	2.0	5.0	1,2,3-Trichloropropane	ND<10	2.0	5.0
1,2,4-Trimethylbenzene	22	2.0	5.0	1,3,5-Trimethylbenzene	ND<10	2.0	5.0
Vinyl Acetate	ND<100	2.0	50	Vinyl Chloride	ND<10	2.0	5.0
Xylenes	140	2.0	5.0				

Surrogate Recoveries (%)

%SS1:	96.7	%SS2:	105
%SS3:	111		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03
1714 Main Street		Date Received: 12/19/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/19/03
	Client P.O.:	Date Analyzed: 12/20/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312393

Lab ID	0312393-014A
Client ID	MW6-72
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<320	6.7	50	tert-Amyl methyl ether (TAME)	ND<32	6.7	5.0
Benzene	110	6.7	5.0	Bromobenzene	ND<32	6.7	5.0
Bromochloromethane	ND<32	6.7	5.0	Bromodichloromethane	ND<32	6.7	5.0
Bromoform	ND<32	6.7	5.0	Bromomethane	ND<32	6.7	5.0
2-Butanone (MEK)	ND<65	6.7	10	t-Butyl alcohol (TBA)	ND<160	6.7	25
n-Butyl benzene	48	6.7	5.0	sec-Butyl benzene	ND<32	6.7	5.0
tert-Butyl benzene	ND<32	6.7	5.0	Carbon Disulfide	ND<32	6.7	5.0
Carbon Tetrachloride	ND<32	6.7	5.0	Chlorobenzene	ND<32	6.7	5.0
Chloroethane	ND<32	6.7	5.0	2-Chloroethyl Vinyl Ether	ND<65	6.7	10
Chloroform	ND<32	6.7	5.0	Chloromethane	ND<32	6.7	5.0
2-Chlorotoluene	ND<32	6.7	5.0	4-Chlorotoluene	ND<32	6.7	5.0
Dibromochloromethane	ND<32	6.7	5.0	1,2-Dibromo-3-chloropropane	ND<32	6.7	5.0
1,2-Dibromoethane (EDB)	ND<32	6.7	5.0	Dibromomethane	ND<32	6.7	5.0
1,2-Dichlorobenzene	ND<32	6.7	5.0	1,3-Dichlorobenzene	ND<32	6.7	5.0
1,4-Dichlorobenzene	ND<32	6.7	5.0	Dichlorodifluoromethane	ND<32	6.7	5.0
1,1-Dichloroethane	ND<32	6.7	5.0	1,2-Dichloroethane (1,2-DCA)	ND<32	6.7	5.0
1,1-Dichloroethene	ND<32	6.7	5.0	cis-1,2-Dichloroethene	ND<32	6.7	5.0
trans-1,2-Dichloroethene	ND<32	6.7	5.0	1,2-Dichloropropane	ND<32	6.7	5.0
1,3-Dichloropropane	ND<32	6.7	5.0	2,2-Dichloropropane	ND<32	6.7	5.0
1,1-Dichloropropene	ND<32	6.7	5.0	cis-1,3-Dichloropropene	ND<32	6.7	5.0
trans-1,3-Dichloropropene	ND<32	6.7	5.0	Diisopropyl ether (DIPE)	ND<32	6.7	5.0
Ethylbenzene	170	6.7	5.0	Ethyl tert-butyl ether (ETBE)	ND<32	6.7	5.0
Hexachlorobutadiene	ND<32	6.7	5.0	2-Hexanone	ND<32	6.7	5.0
Iodomethane (Methyl iodide)	ND<320	6.7	50	Isopropylbenzene	ND<32	6.7	5.0
4-Isopropyl toluene	ND<32	6.7	5.0	Methyl-t-butyl ether (MTBE)	ND<32	6.7	5.0
Methylene chloride	ND<32	6.7	5.0	4-Methyl-2-pentanone (MIBK)	ND<32	6.7	5.0
Naphthalene	49	6.7	5.0	n-Propyl benzene	69	6.7	5.0
Styrene	ND<32	6.7	5.0	1,1,1,2-Tetrachloroethane	ND<32	6.7	5.0
1,1,2,2-Tetrachloroethane	ND<32	6.7	5.0	Tetrachloroethene	ND<32	6.7	5.0
Toluene	840	6.7	5.0	1,2,3-Trichlorobenzene	ND<32	6.7	5.0
1,2,4-Trichlorobenzene	ND<32	6.7	5.0	1,1,1-Trichloroethane	ND<32	6.7	5.0
1,1,2-Trichloroethane	ND<32	6.7	5.0	Trichloroethene	ND<32	6.7	5.0
Trichlorofluoromethane	ND<32	6.7	5.0	1,2,3-Trichloropropane	ND<32	6.7	5.0
1,2,4-Trimethylbenzene	530	6.7	5.0	1,3,5-Trimethylbenzene	180	6.7	5.0
Vinyl Acetate	ND<320	6.7	50	Vinyl Chloride	ND<32	6.7	5.0
Xylenes	680	6.7	5.0				

Surrogate Recoveries (%)

%SS1:	93.9	%SS2:	102
%SS3:	108		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0312393

EPA Method: SW8021B/8015Cm Extraction: SW5035 BatchID: 9784 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	N/A	0.60	N/A	N/A	N/A	104	108	6.41	70	130
MTBE	N/A	0.10	N/A	N/A	N/A	96.9	111	15.8	70	130
Benzene	N/A	0.10	N/A	N/A	N/A	107	108	0.354	70	130
Toluene	N/A	0.10	N/A	N/A	N/A	95.4	95.7	1.73	70	130
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	112	113	2.79	70	130
Xylenes	N/A	0.30	N/A	N/A	N/A	103	107	6.45	70	130
%SS:	N/A	100	N/A	N/A	N/A	100	101	2.71	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0312393

EPA Method: SW8260B	Extraction: SW5035			BatchID: 9785		Spiked Sample ID: N/A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
tert-Amyl methyl ether (TAME)	N/A	50	N/A	N/A	N/A	92.7	87.4	5.85	70	130
Benzene	N/A	50	N/A	N/A	N/A	120	112	6.56	70	130
t-Butyl alcohol (TBA)	N/A	250	N/A	N/A	N/A	105	101	3.52	70	130
Chlorobenzene	N/A	50	N/A	N/A	N/A	107	104	2.45	70	130
1,1-Dichloroethene	N/A	50	N/A	N/A	N/A	92.7	86	7.52	70	130
Diisopropyl ether (DIPE)	N/A	50	N/A	N/A	N/A	125	119	4.56	70	130
Ethyl tert-butyl ether (ETBE)	N/A	50	N/A	N/A	N/A	108	102	5.61	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	114	110	3.66	70	130
Toluene	N/A	50	N/A	N/A	N/A	122	119	2.78	70	130
Trichloroethene	N/A	50	N/A	N/A	N/A	102	96.1	5.61	70	130
%SS1:	N/A	100	N/A	N/A	N/A	92.8	91	1.91	70	130
%SS2:	N/A	100	N/A	N/A	N/A	95.7	95	0.702	70	130
%SS3:	N/A	100	N/A	N/A	N/A	101	100	0.438	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0312393

Report to:
Justin Power
Ground Zero Analysis, Inc.
1714 Main Street
Escalon, CA 95320
TEL: (209) 838-9888
FAX: (209) 838-9883
ProjectNo: #365; Pure Etch
PO:

Bill to:
Accounts Payable
Ground Zero Analysis, Inc.
1714 Main Street
Escalon, CA 95320

Requested TAT: 5 days
Date Received: 12/19/03
Date Printed: 12/19/03

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0312393-001	MW6-5	Soil	12/17/03 3:25:00	☐	A	A													
0312393-002	MW6-10	Soil	12/17/03 3:35:00	☐	A	A													
0312393-003	MW6-15	Soil	12/17/03 3:55:00	☐	A	A													
0312393-004	MW6-20	Soil	12/17/03 4:00:00	☐	A	A													
0312393-005	MW6-25	Soil	12/17/03 4:16:00	☐	A	A													
0312393-006	MW6-30	Soil	12/17/03 4:20:00	☐	A	A													
0312393-007	MW6-35	Soil	12/17/03 4:34:00	☐	A	A													
0312393-008	MW6-40	Soil	12/17/03 5:00:00	☐	A	A													
0312393-009	MW6-45	Soil	12/18/03 8:05:00	☐	A	A													
0312393-010	MW6-50	Soil	12/18/03 9:00:00	☐	A	A													
0312393-011	MW6-55	Soil	12/18/03 9:21:00	☐	A	A													
0312393-012	MW6-60	Soil	12/18/03 9:40:00	☐	A	A													
0312393-013	MW6-65	Soil	12/18/03 10:27:00	☐	A	A													
0312393-014	MW6-72	Soil	12/18/03 11:00:00	☐	A	A													

Test Legend:

1	8260B+OXYS_ENC	2	G-MBTEX_ENCORE	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

GROUND ZERO ANALYSIS

0312393

№ 1700

CHAIN OF CUSTODY RECORD ANALYSIS REQUEST

PROJECT NO.	PROJECT NAME/SITE
365	Pure Etch

SAMPLERS (SIGN) / (PRINT)

SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	PRES. USED	ICED	NO. CONTAINERS	SAMPLE TYPE	BTEX (602/8020)	TPHg (8015)	TPHd (8015)	OXYGENATES (8260)	601/8010	8260 FULL SCAN	REMARKS
LPE MW6-5	12/17/03	3:25p		X	HCl/m EC	X	4	S	X	X		X		X	
LPE MW6-10		3:35p													
LPE MW6-15		3:55p													
LPE MW6-20		4:06p													
LPE MW6-25		4:16p													
LPE MW6-30		4:20p													
LPE MW6-35		4:34p													
LPE MW6-40	12/17/03	5:06p		X	HCl/m EC	X	4	S	X	X		X		X	
LPE MW6-45	12/18/03	8:05a													
LPE MW6-50		9:00a													
LPE MW6-55		9:21a													
LPE MW6-60		9:40a													
LPE MW6-65		10:27													
LPE MW6-72	12/18/03	11:00a		X	HCl/m EC	X	4	S	X	X		X		X	

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
Leon Downey	12/18/03	1147p	Dal Payne
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
[illegible]	12/19/03	9:15	[illegible]
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:

REC'D SEALED & INTACT VIA Fedex

LABORATORY: MC Campbell Analytical, 710 2nd Street South #D7, Pacheco, CA 94553

REQUESTED TURNAROUND TIME: Standard

RECEIPT CONDITION: GOOD CONDITION ✓ / HEAD SPACE ABSENT ___ / DECHLORINATED IN LAB ___ / APPROPRIATE CONTAINERS ✓ / PRESERVED IN LAB ___

PRESERVATION: VOAS ___ | O&G ___ | METALS ___ | OTHER ___

PO #:

PLEASE SEND RESULTS TO: Ground Zero, 1714 Main Street, Escalon, CA

PROJECT MANAGER: John Lane

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
		Date Received: 12/18/03
	Client Contact: John Lane	Date Reported: 12/24/03
	Client P.O.:	Date Completed: 12/24/03

WorkOrder: 0312368

December 24, 2003

Dear John:

Enclosed are:

1). the *results of* ***10*** *analyzed samples from your* **#365; Pure Etch project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/18/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/18/03
	Client P.O.:	Date Analyzed: 12/18/03-12/24/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE [Encore Sampling]*

Extraction method: SW5035 Analytical methods: SW8021B/8015Cm Work Order: 0312368

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-8-50(11)	S	ND<0.50,n	---	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	1	97.4
002A	MW8-55(12)	S	ND<0.53,n	---	ND<0.0027	ND<0.0027	ND<0.0027	ND<0.0027	1	102
003A	MW8-60(13)	S	ND<0.49,n	---	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024	1	100
004A	MW8-65(14)	S	ND<0.48,n	---	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024	1	83
005A	MW8-72(15)	S	ND<0.50,n	---	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	1	105
006A	MW7-50(16)	S	ND<0.50,n	---	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	1	103
007A	MW7-55(17)	S	5.0,a,n	---	0.0087	0.067	0.24	0.54	1	126
008A	MW7-60(18)	S	1.4,a,n	---	0.34	0.013	0.097	0.034	1	99.0
009A	MW7-65(19)	S	ND<0.49,n	---	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	1	101
010A	MW7-70(20)	S	ND<0.48,n	---	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024	1	101
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/18/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/18/03
	Client P.O.:	Date Analyzed: 12/20/03-12/22/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312368

Lab ID	0312368-001A
Client ID	MW-8-50(11)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	50	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	96.5	%SS2:	105
%SS3:	107		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

 # surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

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Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/18/03
	Client P.O.:	Date Analyzed: 12/20/03-12/22/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312368

Lab ID	0312368-002A
Client ID	MW8-55(12)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<51	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.1	1.0	5.0
Benzene	ND<5.1	1.0	5.0	Bromobenzene	ND<5.1	1.0	5.0
Bromochloromethane	ND<5.1	1.0	5.0	Bromodichloromethane	ND<5.1	1.0	5.0
Bromoform	ND<5.1	1.0	5.0	Bromomethane	ND<5.1	1.0	5.0
2-Butanone (MEK)	ND<10.2	1.0	10	t-Butyl alcohol (TBA)	ND<26	1.0	25
n-Butyl benzene	ND<5.1	1.0	5.0	sec-Butyl benzene	ND<5.1	1.0	5.0
tert-Butyl benzene	ND<5.1	1.0	5.0	Carbon Disulfide	ND<5.1	1.0	5.0
Carbon Tetrachloride	ND<5.1	1.0	5.0	Chlorobenzene	ND<5.1	1.0	5.0
Chloroethane	ND<5.1	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<10.2	1.0	10
Chloroform	ND<5.1	1.0	5.0	Chloromethane	ND<5.1	1.0	5.0
2-Chlorotoluene	ND<5.1	1.0	5.0	4-Chlorotoluene	ND<5.1	1.0	5.0
Dibromochloromethane	ND<5.1	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.1	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.1	1.0	5.0	Dibromomethane	ND<5.1	1.0	5.0
1,2-Dichlorobenzene	ND<5.1	1.0	5.0	1,3-Dichlorobenzene	ND<5.1	1.0	5.0
1,4-Dichlorobenzene	ND<5.1	1.0	5.0	Dichlorodifluoromethane	ND<5.1	1.0	5.0
1,1-Dichloroethane	ND<5.1	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.1	1.0	5.0
1,1-Dichloroethene	ND<5.1	1.0	5.0	cis-1,2-Dichloroethene	ND<5.1	1.0	5.0
trans-1,2-Dichloroethene	ND<5.1	1.0	5.0	1,2-Dichloropropane	ND<5.1	1.0	5.0
1,3-Dichloropropane	ND<5.1	1.0	5.0	2,2-Dichloropropane	ND<5.1	1.0	5.0
1,1-Dichloropropene	ND<5.1	1.0	5.0	cis-1,3-Dichloropropene	ND<5.1	1.0	5.0
trans-1,3-Dichloropropene	ND<5.1	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.1	1.0	5.0
Ethylbenzene	ND<5.1	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.1	1.0	5.0
Hexachlorobutadiene	ND<5.1	1.0	5.0	2-Hexanone	ND<5.1	1.0	5.0
Iodomethane (Methyl iodide)	ND<51	1.0	50	Isopropylbenzene	ND<5.1	1.0	5.0
4-Isopropyl toluene	ND<5.1	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.1	1.0	5.0
Methylene chloride	ND<5.1	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.1	1.0	5.0
Naphthalene	ND<5.1	1.0	5.0	n-Propyl benzene	ND<5.1	1.0	5.0
Styrene	ND<5.1	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.1	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.1	1.0	5.0	Tetrachloroethene	ND<5.1	1.0	5.0
Toluene	ND<5.1	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.1	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.1	1.0	5.0	1,1,1-Trichloroethane	ND<5.1	1.0	5.0
1,1,2-Trichloroethane	ND<5.1	1.0	5.0	Trichloroethene	ND<5.1	1.0	5.0
Trichlorofluoromethane	ND<5.1	1.0	5.0	1,2,3-Trichloropropane	ND<5.1	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.1	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.1	1.0	5.0
Vinyl Acetate	ND<51	1.0	50	Vinyl Chloride	ND<5.1	1.0	5.0
Xylenes	ND<5.1	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	96.8	%SS2:	106
%SS3:	109		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

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Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/18/03
	Client P.O.:	Date Analyzed: 12/20/03-12/22/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312368

Lab ID	0312368-003A
Client ID	MW8-60(13)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<47	1.0	50	tert-Amyl methyl ether (TAME)	ND<4.7	1.0	5.0
Benzene	ND<4.7	1.0	5.0	Bromobenzene	ND<4.7	1.0	5.0
Bromochloromethane	ND<4.7	1.0	5.0	Bromodichloromethane	ND<4.7	1.0	5.0
Bromoform	ND<4.7	1.0	5.0	Bromomethane	ND<4.7	1.0	5.0
2-Butanone (MEK)	ND<9.4	1.0	10	t-Butyl alcohol (TBA)	ND<24	1.0	25
n-Butyl benzene	ND<4.7	1.0	5.0	sec-Butyl benzene	ND<4.7	1.0	5.0
tert-Butyl benzene	ND<4.7	1.0	5.0	Carbon Disulfide	ND<4.7	1.0	5.0
Carbon Tetrachloride	ND<4.7	1.0	5.0	Chlorobenzene	ND<4.7	1.0	5.0
Chloroethane	ND<4.7	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<9.4	1.0	10
Chloroform	ND<4.7	1.0	5.0	Chloromethane	ND<4.7	1.0	5.0
2-Chlorotoluene	ND<4.7	1.0	5.0	4-Chlorotoluene	ND<4.7	1.0	5.0
Dibromochloromethane	ND<4.7	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<4.7	1.0	5.0
1,2-Dibromoethane (EDB)	ND<4.7	1.0	5.0	Dibromomethane	ND<4.7	1.0	5.0
1,2-Dichlorobenzene	ND<4.7	1.0	5.0	1,3-Dichlorobenzene	ND<4.7	1.0	5.0
1,4-Dichlorobenzene	ND<4.7	1.0	5.0	Dichlorodifluoromethane	ND<4.7	1.0	5.0
1,1-Dichloroethane	ND<4.7	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<4.7	1.0	5.0
1,1-Dichloroethene	ND<4.7	1.0	5.0	cis-1,2-Dichloroethene	ND<4.7	1.0	5.0
trans-1,2-Dichloroethene	ND<4.7	1.0	5.0	1,2-Dichloropropane	ND<4.7	1.0	5.0
1,3-Dichloropropane	ND<4.7	1.0	5.0	2,2-Dichloropropane	ND<4.7	1.0	5.0
1,1-Dichloropropene	ND<4.7	1.0	5.0	cis-1,3-Dichloropropene	ND<4.7	1.0	5.0
trans-1,3-Dichloropropene	ND<4.7	1.0	5.0	Diisopropyl ether (DIPE)	ND<4.7	1.0	5.0
Ethylbenzene	ND<4.7	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<4.7	1.0	5.0
Hexachlorobutadiene	ND<4.7	1.0	5.0	2-Hexanone	ND<4.7	1.0	5.0
Iodomethane (Methyl iodide)	ND<47	1.0	50	Isopropylbenzene	ND<4.7	1.0	5.0
4-Isopropyl toluene	ND<4.7	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<4.7	1.0	5.0
Methylene chloride	ND<4.7	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<4.7	1.0	5.0
Naphthalene	ND<4.7	1.0	5.0	n-Propyl benzene	ND<4.7	1.0	5.0
Styrene	ND<4.7	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<4.7	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<4.7	1.0	5.0	Tetrachloroethene	ND<4.7	1.0	5.0
Toluene	ND<4.7	1.0	5.0	1,2,3-Trichlorobenzene	ND<4.7	1.0	5.0
1,2,4-Trichlorobenzene	ND<4.7	1.0	5.0	1,1,1-Trichloroethane	ND<4.7	1.0	5.0
1,1,2-Trichloroethane	ND<4.7	1.0	5.0	Trichloroethene	ND<4.7	1.0	5.0
Trichlorofluoromethane	ND<4.7	1.0	5.0	1,2,3-Trichloropropane	ND<4.7	1.0	5.0
1,2,4-Trimethylbenzene	ND<4.7	1.0	5.0	1,3,5-Trimethylbenzene	ND<4.7	1.0	5.0
Vinyl Acetate	ND<47	1.0	50	Vinyl Chloride	ND<4.7	1.0	5.0
Xylenes	ND<4.7	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	96.5	%SS2:	105
%SS3:	108		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/18/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/18/03
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Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312368

Lab ID	0312368-004A
Client ID	*MW8-65(14)*
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<55	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.5	1.0	5.0
Benzene	ND<5.5	1.0	5.0	Bromobenzene	ND<5.5	1.0	5.0
Bromochloromethane	ND<5.5	1.0	5.0	Bromodichloromethane	ND<5.5	1.0	5.0
Bromoform	ND<5.5	1.0	5.0	Bromomethane	ND<5.5	1.0	5.0
2-Butanone (MEK)	ND<11	1.0	10	t-Butyl alcohol (TBA)	ND<27	1.0	25
n-Butyl benzene	ND<5.5	1.0	5.0	sec-Butyl benzene	ND<5.5	1.0	5.0
tert-Butyl benzene	ND<5.5	1.0	5.0	Carbon Disulfide	ND<5.5	1.0	5.0
Carbon Tetrachloride	ND<5.5	1.0	5.0	Chlorobenzene	ND<5.5	1.0	5.0
Chloroethane	ND<5.5	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<11	1.0	10
Chloroform	ND<5.5	1.0	5.0	Chloromethane	ND<5.5	1.0	5.0
2-Chlorotoluene	ND<5.5	1.0	5.0	4-Chlorotoluene	ND<5.5	1.0	5.0
Dibromochloromethane	ND<5.5	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.5	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.5	1.0	5.0	Dibromomethane	ND<5.5	1.0	5.0
1,2-Dichlorobenzene	ND<5.5	1.0	5.0	1,3-Dichlorobenzene	ND<5.5	1.0	5.0
1,4-Dichlorobenzene	ND<5.5	1.0	5.0	Dichlorodifluoromethane	ND<5.5	1.0	5.0
1,1-Dichloroethane	ND<5.5	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.5	1.0	5.0
1,1-Dichloroethene	ND<5.5	1.0	5.0	cis-1,2-Dichloroethene	ND<5.5	1.0	5.0
trans-1,2-Dichloroethene	ND<5.5	1.0	5.0	1,2-Dichloropropane	ND<5.5	1.0	5.0
1,3-Dichloropropane	ND<5.5	1.0	5.0	2,2-Dichloropropane	ND<5.5	1.0	5.0
1,1-Dichloropropene	ND<5.5	1.0	5.0	cis-1,3-Dichloropropene	ND<5.5	1.0	5.0
trans-1,3-Dichloropropene	ND<5.5	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.5	1.0	5.0
Ethylbenzene	ND<5.5	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.5	1.0	5.0
Hexachlorobutadiene	ND<5.5	1.0	5.0	2-Hexanone	ND<5.5	1.0	5.0
Iodomethane (Methyl iodide)	ND<55	1.0	50	Isopropylbenzene	ND<5.5	1.0	5.0
4-Isopropyl toluene	ND<5.5	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.5	1.0	5.0
Methylene chloride	ND<5.5	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.5	1.0	5.0
Naphthalene	ND<5.5	1.0	5.0	n-Propyl benzene	ND<5.5	1.0	5.0
Styrene	ND<5.5	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.5	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.5	1.0	5.0	Tetrachloroethene	ND<5.5	1.0	5.0
Toluene	ND<5.5	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.5	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.5	1.0	5.0	1,1,1-Trichloroethane	ND<5.5	1.0	5.0
1,1,2-Trichloroethane	ND<5.5	1.0	5.0	Trichloroethene	ND<5.5	1.0	5.0
Trichlorofluoromethane	ND<5.5	1.0	5.0	1,2,3-Trichloropropane	ND<5.5	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.5	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.5	1.0	5.0
Vinyl Acetate	ND<55	1.0	50	Vinyl Chloride	ND<5.5	1.0	5.0
Xylenes	ND<5.5	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	93.3	%SS2:	105
%SS3:	110		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/18/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/18/03
	Client P.O.:	Date Analyzed: 12/20/03-12/22/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: *SW5035* Analytical Method: *SW8260B* Work Order: 0312368

Lab ID	0312368-005A
Client ID	MW8-72(15)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<52	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.2	1.0	5.0
Benzene	ND<5.2	1.0	5.0	Bromobenzene	ND<5.2	1.0	5.0
Bromochloromethane	ND<5.2	1.0	5.0	Bromodichloromethane	ND<5.2	1.0	5.0
Bromoform	ND<5.2	1.0	5.0	Bromomethane	ND<5.2	1.0	5.0
2-Butanone (MEK)	ND<10.4	1.0	10	t-Butyl alcohol (TBA)	ND<26	1.0	25
n-Butyl benzene	ND<5.2	1.0	5.0	sec-Butyl benzene	ND<5.2	1.0	5.0
tert-Butyl benzene	ND<5.2	1.0	5.0	Carbon Disulfide	ND<5.2	1.0	5.0
Carbon Tetrachloride	ND<5.2	1.0	5.0	Chlorobenzene	ND<5.2	1.0	5.0
Chloroethane	ND<5.2	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<10.4	1.0	10
Chloroform	ND<5.2	1.0	5.0	Chloromethane	ND<5.2	1.0	5.0
2-Chlorotoluene	ND<5.2	1.0	5.0	4-Chlorotoluene	ND<5.2	1.0	5.0
Dibromochloromethane	ND<5.2	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.2	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.2	1.0	5.0	Dibromomethane	ND<5.2	1.0	5.0
1,2-Dichlorobenzene	ND<5.2	1.0	5.0	1,3-Dichlorobenzene	ND<5.2	1.0	5.0
1,4-Dichlorobenzene	ND<5.2	1.0	5.0	Dichlorodifluoromethane	ND<5.2	1.0	5.0
1,1-Dichloroethane	ND<5.2	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.2	1.0	5.0
1,1-Dichloroethene	ND<5.2	1.0	5.0	cis-1,2-Dichloroethene	ND<5.2	1.0	5.0
trans-1,2-Dichloroethene	ND<5.2	1.0	5.0	1,2-Dichloropropane	ND<5.2	1.0	5.0
1,3-Dichloropropane	ND<5.2	1.0	5.0	2,2-Dichloropropane	ND<5.2	1.0	5.0
1,1-Dichloropropene	ND<5.2	1.0	5.0	cis-1,3-Dichloropropene	ND<5.2	1.0	5.0
trans-1,3-Dichloropropene	ND<5.2	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.2	1.0	5.0
Ethylbenzene	ND<5.2	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.2	1.0	5.0
Hexachlorobutadiene	ND<5.2	1.0	5.0	2-Hexanone	ND<5.2	1.0	5.0
Iodomethane (Methyl iodide)	ND<52	1.0	50	Isopropylbenzene	ND<5.2	1.0	5.0
4-Isopropyl toluene	ND<5.2	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.2	1.0	5.0
Methylene chloride	ND<5.2	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.2	1.0	5.0
Naphthalene	ND<5.2	1.0	5.0	n-Propyl benzene	ND<5.2	1.0	5.0
Styrene	ND<5.2	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.2	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.2	1.0	5.0	Tetrachloroethene	ND<5.2	1.0	5.0
Toluene	ND<5.2	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.2	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.2	1.0	5.0	1,1,1-Trichloroethane	ND<5.2	1.0	5.0
1,1,2-Trichloroethane	ND<5.2	1.0	5.0	Trichloroethene	ND<5.2	1.0	5.0
Trichlorofluoromethane	ND<5.2	1.0	5.0	1,2,3-Trichloropropane	ND<5.2	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.2	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.2	1.0	5.0
Vinyl Acetate	ND<52	1.0	50	Vinyl Chloride	ND<5.2	1.0	5.0
Xylenes	ND<5.2	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	94.8	%SS2:	105
%SS3:	109		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
		Date Received: 12/18/03
1714 Main Street	Client Contact: John Lane	Date Extracted: 12/18/03
Escalon, CA 95320	Client P.O.:	Date Analyzed: 12/20/03-12/22/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312368

Lab ID	0312368-006A
Client ID	MW7-50(16)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<53	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.3	1.0	5.0
Benzene	ND<5.3	1.0	5.0	Bromobenzene	ND<5.3	1.0	5.0
Bromochloromethane	ND<5.3	1.0	5.0	Bromodichloromethane	ND<5.3	1.0	5.0
Bromoform	ND<5.3	1.0	5.0	Bromomethane	ND<5.3	1.0	5.0
2-Butanone (MEK)	ND<11	1.0	10	t-Butyl alcohol (TBA)	ND<26	1.0	25
n-Butyl benzene	ND<5.3	1.0	5.0	sec-Butyl benzene	ND<5.3	1.0	5.0
tert-Butyl benzene	ND<5.3	1.0	5.0	Carbon Disulfide	ND<5.3	1.0	5.0
Carbon Tetrachloride	ND<5.3	1.0	5.0	Chlorobenzene	ND<5.3	1.0	5.0
Chloroethane	ND<5.3	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<11	1.0	10
Chloroform	ND<5.3	1.0	5.0	Chloromethane	ND<5.3	1.0	5.0
2-Chlorotoluene	ND<5.3	1.0	5.0	4-Chlorotoluene	ND<5.3	1.0	5.0
Dibromochloromethane	ND<5.3	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.3	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.3	1.0	5.0	Dibromomethane	ND<5.3	1.0	5.0
1,2-Dichlorobenzene	ND<5.3	1.0	5.0	1,3-Dichlorobenzene	ND<5.3	1.0	5.0
1,4-Dichlorobenzene	ND<5.3	1.0	5.0	Dichlorodifluoromethane	ND<5.3	1.0	5.0
1,1-Dichloroethane	ND<5.3	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	6.4	1.0	5.0
1,1-Dichloroethene	ND<5.3	1.0	5.0	cis-1,2-Dichloroethene	ND<5.3	1.0	5.0
trans-1,2-Dichloroethene	ND<5.3	1.0	5.0	1,2-Dichloropropane	ND<5.3	1.0	5.0
1,3-Dichloropropane	ND<5.3	1.0	5.0	2,2-Dichloropropane	ND<5.3	1.0	5.0
1,1-Dichloropropene	ND<5.3	1.0	5.0	cis-1,3-Dichloropropene	ND<5.3	1.0	5.0
trans-1,3-Dichloropropene	ND<5.3	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.3	1.0	5.0
Ethylbenzene	ND<5.3	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.3	1.0	5.0
Hexachlorobutadiene	ND<5.3	1.0	5.0	2-Hexanone	ND<5.3	1.0	5.0
Iodomethane (Methyl iodide)	ND<53	1.0	50	Isopropylbenzene	ND<5.3	1.0	5.0
4-Isopropyl toluene	ND<5.3	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.3	1.0	5.0
Methylene chloride	ND<5.3	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.3	1.0	5.0
Naphthalene	ND<5.3	1.0	5.0	n-Propyl benzene	ND<5.3	1.0	5.0
Styrene	ND<5.3	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.3	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.3	1.0	5.0	Tetrachloroethene	ND<5.3	1.0	5.0
Toluene	ND<5.3	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.3	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.3	1.0	5.0	1,1,1-Trichloroethane	ND<5.3	1.0	5.0
1,1,2-Trichloroethane	ND<5.3	1.0	5.0	Trichloroethene	ND<5.3	1.0	5.0
Trichlorofluoromethane	ND<5.3	1.0	5.0	1,2,3-Trichloropropane	ND<5.3	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.3	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.3	1.0	5.0
Vinyl Acetate	ND<53	1.0	50	Vinyl Chloride	ND<5.3	1.0	5.0
Xylenes	ND<5.3	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	95.3	%SS2:	106
%SS3:	110		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

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Angela Rydelius, Lab Manager

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110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/18/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/18/03
	Client P.O.:	Date Analyzed: 12/20/03-12/22/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312368

Lab ID	0312368-007A
Client ID	MW7-55(17)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<200	4.0	50	tert-Amyl methyl ether (TAME)	ND<20	4.0	5.0
Benzene	ND<20	4.0	5.0	Bromobenzene	ND<20	4.0	5.0
Bromochloromethane	ND<20	4.0	5.0	Bromodichloromethane	ND<20	4.0	5.0
Bromoform	ND<20	4.0	5.0	Bromomethane	ND<20	4.0	5.0
2-Butanone (MEK)	ND<40	4.0	10	t-Butyl alcohol (TBA)	ND<100	4.0	25
n-Butyl benzene	84	4.0	5.0	sec-Butyl benzene	23	4.0	5.0
tert-Butyl benzene	ND<20	4.0	5.0	Carbon Disulfide	ND<20	4.0	5.0
Carbon Tetrachloride	ND<20	4.0	5.0	Chlorobenzene	ND<20	4.0	5.0
Chloroethane	ND<20	4.0	5.0	2-Chloroethyl Vinyl Ether	ND<40	4.0	10
Chloroform	ND<20	4.0	5.0	Chloromethane	ND<20	4.0	5.0
2-Chlorotoluene	ND<20	4.0	5.0	4-Chlorotoluene	ND<20	4.0	5.0
Dibromochloromethane	ND<20	4.0	5.0	1,2-Dibromo-3-chloropropane	ND<20	4.0	5.0
1,2-Dibromoethane (EDB)	ND<20	4.0	5.0	Dibromomethane	ND<20	4.0	5.0
1,2-Dichlorobenzene	ND<20	4.0	5.0	1,3-Dichlorobenzene	ND<20	4.0	5.0
1,4-Dichlorobenzene	ND<20	4.0	5.0	Dichlorodifluoromethane	ND<20	4.0	5.0
1,1-Dichloroethane	ND<20	4.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<20	4.0	5.0
1,1-Dichloroethene	ND<20	4.0	5.0	cis-1,2-Dichloroethene	ND<20	4.0	5.0
trans-1,2-Dichloroethene	ND<20	4.0	5.0	1,2-Dichloropropane	ND<20	4.0	5.0
1,3-Dichloropropane	ND<20	4.0	5.0	2,2-Dichloropropane	ND<20	4.0	5.0
1,1-Dichloropropene	ND<20	4.0	5.0	cis-1,3-Dichloropropene	ND<20	4.0	5.0
trans-1,3-Dichloropropene	ND<20	4.0	5.0	Diisopropyl ether (DIPE)	ND<20	4.0	5.0
Ethylbenzene	420	4.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<20	4.0	5.0
Hexachlorobutadiene	ND<20	4.0	5.0	2-Hexanone	ND<20	4.0	5.0
Iodomethane (Methyl iodide)	ND<200	4.0	50	Isopropylbenzene	42	4.0	5.0
4-Isopropyl toluene	ND<20	4.0	5.0	Methyl-t-butyl ether (MTBE)	ND<20	4.0	5.0
Methylene chloride	ND<20	4.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<20	4.0	5.0
Naphthalene	83	4.0	5.0	n-Propyl benzene	170	4.0	5.0
Styrene	ND<20	4.0	5.0	1,1,1,2-Tetrachloroethane	ND<20	4.0	5.0
1,1,2,2-Tetrachloroethane	ND<20	4.0	5.0	Tetrachloroethene	ND<20	4.0	5.0
Toluene	82	4.0	5.0	1,2,3-Trichlorobenzene	ND<20	4.0	5.0
1,2,4-Trichlorobenzene	ND<20	4.0	5.0	1,1,1-Trichloroethane	ND<20	4.0	5.0
1,1,2-Trichloroethane	ND<20	4.0	5.0	Trichloroethene	ND<20	4.0	5.0
Trichlorofluoromethane	ND<20	4.0	5.0	1,2,3-Trichloropropane	ND<20	4.0	5.0
1,2,4-Trimethylbenzene	770	4.0	5.0	1,3,5-Trimethylbenzene	180	4.0	5.0
Vinyl Acetate	ND<200	4.0	50	Vinyl Chloride	ND<20	4.0	5.0
Xylenes	840	4.0	5.0				

Surrogate Recoveries (%)

%SS1:	101	%SS2:	103
%SS3:	108		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, *product/oil/non-aqueous liquid samples in mg/L.*

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/18/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/18/03
	Client P.O.:	Date Analyzed: 12/20/03-12/22/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312368

Lab ID	0312368-008A
Client ID	MW7-60(18)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<190	4.0	50	tert-Amyl methyl ether (TAME)	ND<19	4.0	5.0
Benzene	530	4.0	5.0	Bromobenzene	ND<19	4.0	5.0
Bromochloromethane	ND<19	4.0	5.0	Bromodichloromethane	ND<19	4.0	5.0
Bromoform	ND<19	4.0	5.0	Bromomethane	ND<19	4.0	5.0
2-Butanone (MEK)	ND<38	4.0	10	t-Butyl alcohol (TBA)	ND<95	4.0	25
n-Butyl benzene	ND<19	4.0	5.0	sec-Butyl benzene	ND<19	4.0	5.0
tert-Butyl benzene	ND<19	4.0	5.0	Carbon Disulfide	ND<19	4.0	5.0
Carbon Tetrachloride	ND<19	4.0	5.0	Chlorobenzene	ND<19	4.0	5.0
Chloroethane	ND<19	4.0	5.0	2-Chloroethyl Vinyl Ether	ND<38	4.0	10
Chloroform	ND<19	4.0	5.0	Chloromethane	ND<19	4.0	5.0
2-Chlorotoluene	ND<19	4.0	5.0	4-Chlorotoluene	ND<19	4.0	5.0
Dibromochloromethane	ND<19	4.0	5.0	1,2-Dibromo-3-chloropropane	ND<19	4.0	5.0
1,2-Dibromoethane (EDB)	ND<19	4.0	5.0	Dibromomethane	ND<19	4.0	5.0
1,2-Dichlorobenzene	ND<19	4.0	5.0	1,3-Dichlorobenzene	ND<19	4.0	5.0
1,4-Dichlorobenzene	ND<19	4.0	5.0	Dichlorodifluoromethane	ND<19	4.0	5.0
1,1-Dichloroethane	ND<19	4.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<19	4.0	5.0
1,1-Dichloroethene	ND<19	4.0	5.0	cis-1,2-Dichloroethene	ND<19	4.0	5.0
trans-1,2-Dichloroethene	ND<19	4.0	5.0	1,2-Dichloropropane	ND<19	4.0	5.0
1,3-Dichloropropane	ND<19	4.0	5.0	2,2-Dichloropropane	ND<19	4.0	5.0
1,1-Dichloropropene	ND<19	4.0	5.0	cis-1,3-Dichloropropene	ND<19	4.0	5.0
trans-1,3-Dichloropropene	ND<19	4.0	5.0	Diisopropyl ether (DIPE)	ND<19	4.0	5.0
Ethylbenzene	170	4.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<19	4.0	5.0
Hexachlorobutadiene	ND<19	4.0	5.0	2-Hexanone	ND<19	4.0	5.0
Iodomethane (Methyl iodide)	ND<190	4.0	50	Isopropylbenzene	ND<19	4.0	5.0
4-Isopropyl toluene	ND<19	4.0	5.0	Methyl-t-butyl ether (MTBE)	ND<19	4.0	5.0
Methylene chloride	ND<19	4.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<19	4.0	5.0
Naphthalene	27	4.0	5.0	n-Propyl benzene	23	4.0	5.0
Styrene	ND<19	4.0	5.0	1,1,1,2-Tetrachloroethane	ND<19	4.0	5.0
1,1,2,2-Tetrachloroethane	ND<19	4.0	5.0	Tetrachloroethene	ND<19	4.0	5.0
Toluene	24	4.0	5.0	1,2,3-Trichlorobenzene	ND<19	4.0	5.0
1,2,4-Trichlorobenzene	ND<19	4.0	5.0	1,1,1-Trichloroethane	ND<19	4.0	5.0
1,1,2-Trichloroethane	ND<19	4.0	5.0	Trichloroethene	ND<19	4.0	5.0
Trichlorofluoromethane	ND<19	4.0	5.0	1,2,3-Trichloropropane	ND<19	4.0	5.0
1,2,4-Trimethylbenzene	85	4.0	5.0	1,3,5-Trimethylbenzene	ND<19	4.0	5.0
Vinyl Acetate	ND<190	4.0	50	Vinyl Chloride	ND<19	4.0	5.0
Xylenes	73	4.0	5.0				

Surrogate Recoveries (%)

%SS1:	100	%SS2:	104
%SS3:	111		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/18/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/18/03
	Client P.O.:	Date Analyzed: 12/20/03-12/22/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312368

Lab ID	0312368-009A
Client ID	MW7-65(19)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	50	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	92.0	%SS2:	107
%SS3:	111		

Comments:

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
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http://www.mccampbell.com E-mail: main@mccampbell.com

Ground Zero Analysis, Inc.	Client Project ID: #365; Pure Etch	Date Sampled: 12/17/03
1714 Main Street		Date Received: 12/18/03
Escalon, CA 95320	Client Contact: John Lane	Date Extracted: 12/18/03
	Client P.O.:	Date Analyzed: 12/20/03-12/22/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312368

Lab ID	0312368-010A
Client ID	MW7-70(20)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<51	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.1	1.0	5.0
Benzene	ND<5.1	1.0	5.0	Bromobenzene	ND<5.1	1.0	5.0
Bromochloromethane	ND<5.1	1.0	5.0	Bromodichloromethane	ND<5.1	1.0	5.0
Bromoform	ND<5.1	1.0	5.0	Bromomethane	ND<5.1	1.0	5.0
2-Butanone (MEK)	ND<10.2	1.0	10	t-Butyl alcohol (TBA)	ND<26	1.0	25
n-Butyl benzene	ND<5.1	1.0	5.0	sec-Butyl benzene	ND<5.1	1.0	5.0
tert-Butyl benzene	ND<5.1	1.0	5.0	Carbon Disulfide	ND<5.1	1.0	5.0
Carbon Tetrachloride	ND<5.1	1.0	5.0	Chlorobenzene	ND<5.1	1.0	5.0
Chloroethane	ND<5.1	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<10.2	1.0	10
Chloroform	ND<5.1	1.0	5.0	Chloromethane	ND<5.1	1.0	5.0
2-Chlorotoluene	ND<5.1	1.0	5.0	4-Chlorotoluene	ND<5.1	1.0	5.0
Dibromochloromethane	ND<5.1	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.1	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.1	1.0	5.0	Dibromomethane	ND<5.1	1.0	5.0
1,2-Dichlorobenzene	ND<5.1	1.0	5.0	1,3-Dichlorobenzene	ND<5.1	1.0	5.0
1,4-Dichlorobenzene	ND<5.1	1.0	5.0	Dichlorodifluoromethane	ND<5.1	1.0	5.0
1,1-Dichloroethane	ND<5.1	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.1	1.0	5.0
1,1-Dichloroethene	ND<5.1	1.0	5.0	cis-1,2-Dichloroethene	ND<5.1	1.0	5.0
trans-1,2-Dichloroethene	ND<5.1	1.0	5.0	1,2-Dichloropropane	ND<5.1	1.0	5.0
1,3-Dichloropropane	ND<5.1	1.0	5.0	2,2-Dichloropropane	ND<5.1	1.0	5.0
1,1-Dichloropropene	ND<5.1	1.0	5.0	cis-1,3-Dichloropropene	ND<5.1	1.0	5.0
trans-1,3-Dichloropropene	ND<5.1	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.1	1.0	5.0
Ethylbenzene	ND<5.1	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.1	1.0	5.0
Hexachlorobutadiene	ND<5.1	1.0	5.0	2-Hexanone	ND<5.1	1.0	5.0
Iodomethane (Methyl iodide)	ND<51	1.0	50	Isopropylbenzene	ND<5.1	1.0	5.0
4-Isopropyl toluene	ND<5.1	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.1	1.0	5.0
Methylene chloride	ND<5.1	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.1	1.0	5.0
Naphthalene	ND<5.1	1.0	5.0	n-Propyl benzene	ND<5.1	1.0	5.0
Styrene	ND<5.1	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.1	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.1	1.0	5.0	Tetrachloroethene	ND<5.1	1.0	5.0
Toluene	ND<5.1	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.1	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.1	1.0	5.0	1,1,1-Trichloroethane	ND<5.1	1.0	5.0
1,1,2-Trichloroethane	ND<5.1	1.0	5.0	Trichloroethene	ND<5.1	1.0	5.0
Trichlorofluoromethane	ND<5.1	1.0	5.0	1,2,3-Trichloropropane	ND<5.1	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.1	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.1	1.0	5.0
Vinyl Acetate	ND<51	1.0	50	Vinyl Chloride	ND<5.1	1.0	5.0
Xylenes	ND<5.1	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	91.1	%SS2:	107
%SS3:	110		

Comments: k

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0312368

EPA Method: SW8021B/8015Cm	Extraction: SW5035		BatchID: 9733			Spiked Sample ID: N/A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) £	N/A	0.60	N/A	N/A	N/A	108	113	4.83	70	130
MTBE	N/A	0.10	N/A	N/A	N/A	95.5	97.1	1.62	70	130
Benzene	N/A	0.10	N/A	N/A	N/A	108	108	0	70	130
Toluene	N/A	0.10	N/A	N/A	N/A	91.2	93.1	1.99	70	130
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	107	107	0	70	130
Xylenes	N/A	0.30	N/A	N/A	N/A	99.7	100	0.334	70	130
%SS:	N/A	100	N/A	N/A	N/A	103	103	0	70	130
%SS:	N/A	100	N/A	N/A	N/A	121	122	1.48	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

Matrix: S WorkOrder: 0312368

EPA Method: SW8260B	Extraction: SW5035		BatchID: 9734			Spiked Sample ID: N/A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/Kg	µg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
tert-Amyl methyl ether (TAME)	N/A	50	N/A	N/A	N/A	81.4	81.6	0.361	70	130
Benzene	N/A	50	N/A	N/A	N/A	110	106	4.09	70	130
t-Butyl alcohol (TBA)	N/A	250	N/A	N/A	N/A	83.1	89	6.91	70	130
Chlorobenzene	N/A	50	N/A	N/A	N/A	106	96.2	9.70	70	130
1,1-Dichloroethene	N/A	50	N/A	N/A	N/A	94.1	90.3	4.15	70	130
Diisopropyl ether (DIPE)	N/A	50	N/A	N/A	N/A	112	108	2.93	70	130
Ethyl tert-butyl ether (ETBE)	N/A	50	N/A	N/A	N/A	97.8	96.6	1.25	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	99.6	101	1.16	70	130
Toluene	N/A	50	N/A	N/A	N/A	125	111	11.8	70	130
Trichloroethene	N/A	50	N/A	N/A	N/A	95.5	92	3.72	70	130
%SS1:	N/A	100	N/A	N/A	N/A	98.4	102	3.56	70	130
%SS2:	N/A	100	N/A	N/A	N/A	101	97.8	2.84	70	130
%SS3:	N/A	100	N/A	N/A	N/A	103	94	8.62	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0312368

Report to:
Justin Power
Ground Zero Analysis, Inc.
1714 Main Street
Escalon, CA 95320

TEL: (209) 838-9888
FAX: (209) 838-9883
ProjectNo: #365; Pure Etch
PO:

Bill to:
Accounts Payable
Ground Zero Analysis, Inc.
1714 Main Street
Escalon, CA 95320

Requested TAT: 5 days

Date Received: 12/18/03
Date Printed: 12/18/03

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0312368-001	MW-8-50(11)	Soil	12/17/03 8:10:00	☐	A	A													
0312368-002	MW8-55(12)	Soil	12/17/03 8:20:00	☐	A	A													
0312368-003	MW8-60(13)	Soil	12/17/03 8:30:00	☐	A	A													
0312368-004	MW8-65(14)	Soil	12/17/03 8:40:00	☐	A	A													
0312368-005	MW8-72(15)	Soil	12/17/03 9:05:00	☐	A	A													
0312368-006	MW7-50(16)	Soil	12/17/03 11:55:00	☐	A	A													
0312368-007	MW7-55(17)	Soil	12/17/03 12:00:00	☐	A	A													
0312368-008	MW7-60(18)	Soil	12/17/03 12:11:00	☐	A	A													
0312368-009	MW7-65(19)	Soil	12/17/03 12:25:00	☐	A	A													
0312368-010	MW7-70(20)	Soil	12/17/03 12:35:00	☐	A	A													

Test Legend:

1	8260B+OXYS_ENC	2	G-MBTEX_ENCORE	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.